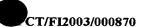
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Claims

1. A coated board product, which has two or more fiber plies and outside plies consisting of bleached chemical pulp and middle plies of mechanical pulp and/or broke or recycled fiber, and which board has a surface density of 150-500 g/m², said board having a top side and a backing side, the production of said product involving prior to coating the use of one or more surface conditioning devices functioning as a precalender and comprising: a fixed support element (14),

a flexible jacket (12) fitted around the fixed support element (14), such that a board web (80) travels between the jacket (12) and a counter-roll (22), a load element (18, 20) provided in connection with the support element (14), such that the flexible jacket (12) is applied by the load element (18, 20) against the heatable counter-roll (22), the board web (80) present between the jacket (12) and the counter-roll (22) becoming calendered, and at least one end wall (24, 26) mounted at the end of the flexible jacket (12) in such a way that the flexible jacket is attached to the end wall (24, 26) and the jacket is rotated along with the end walls by means of a drive mechanism, characterized in that the coated product has surface properties on the top

PPS-s10 roughness (ISO 8791-4) 0,8-3,0 μm Hunter gloss (ISO/DIS8254) 30-80%,

and that the product has a density (SCAN-P7:75) within the range of 500- 1000 kg/m^3 .

2. A product as set forth in claim 1, wherein the middle ply material consists

side of the board as follows:

of one or more materials in the following group: groundwood (GW), pressure groundwood (PGW), chemithermo-mechanical pulp (CTMP), recycled pulp and broke.

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- 3. A product as set forth in claim 1-2, **characterized** in that the top side is coated one or more times.
- 4. A product as set forth in claim 1-3, characterized in that the backingside is uncoated.
 - 5. A product as set forth in claim 1-3, **characterized** in that the backing side is coated at least once.
- 6. A product as set forth in any of the preceding claims, **characterized** in that the surface density is within the range of 180-400 g/m².
 - 7. A product as set forth in any of claims 1-5, **characterized** in that the surface density is within the range of 180-350 g/m².
 - 8. A product as set forth in any of claims 1-7, **characterized** in that the top side has a Bendtsen roughness (SCAN-P21:67) within the range of 0-500 ml/min.
- 9. A product as set forth in any of claims 1-7, **characterized** in that the top side has a Bendtsen roughness (SCAN-P21:67) within the range of 0-150 ml/min.
- 10. A product as set forth in any of claims 1-9, characterized in that the
 25 top side has a PPS-s10 roughness (ISO 87911-4) within the range of 1,0-2,5 μm.
 - 11. A product as set forth in any of claims 1-10, **characterized** in that the top side has a Hunter gloss (ISO/DIS 8254) within the range of 35-65%.

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- 12. A product as set forth in any of the preceding claims, **characterized** in that it has a density (SCAN-P7:75) within the range of 600-850 kg/m³.
- 13. A product as set forth in any of claims 1-12, characterized in that the
 product calendering has also involved the use of a single- or multi-nip machine and/or soft calender.
 - 14. A product as set forth in any of claims 1-13, **characterized** in that its precalendering has involved the use of board surface wetting.
 - 15. A product as set forth in any of claims 1-13, **characterized** in that its precalendering has not involved the use of board surface wetting.
- 16. A method for making a coated board product, said board product having two or more fiber plies and having its outside plies consisting of bleached chemical pulp and middle plies of mechanical pulp and/or broke or recycled fiber, and said board having a surface density of 150-500 g/m², in which method a web to be coated is prior to coating introduced into a surface conditioning device, comprising:
- a fixed support element (14),
 a flexible jacket (12) fitted around the fixed support element (14), such that
 a board web (80) travels between the jacket (12) and a counter-roll (22),
 a load element (18, 20) provided in connection with the support element
 (14), such that the flexible jacket (12) is applied by the load element (18, 20)
 against the heatable counter-roll (22), the board web (80) present between
 the jacket (12) and the counter-roll (22) becoming calendered, and at least
 one end wall of the calendering device mounted on the end of the flexible
 jacket in such a way that the flexible jacket (12) is attached to the end wall
 (24, 26) and the jacket is rotated along with the end wall (24, 26) by means
 of a drive mechanism and the web is precalendered with said surface



conditioning device, **characterized** in that the coated product has surface properties on the top side of the board as follows:

PPS-s10 roughness (ISO 8791-4)

0,8-3,0 µm

Hunter gloss (ISO/DIS8254)

30-80%,

and that the product has a density (SCAN-P7:75) within the range of 500-1000 kg/m³.

17. A method as set forth in claim 16, **characterized** in that the precalendering involves the use of surface wetting.